

CLAIMS

1. A method for comparing the contents of memory components comprised by a first and a second electronic device, the electronic devices being configured to establish a data transmission connection between each other and comprising device identifiers, comprising:

determining the device identifiers of the first and the second electronic device, first checksum values relating to an earlier data transmission event and second checksum values relating to a second data transmission event;

transmitting from the first electronic device to the second electronic device an initialisation message comprising at least the first device identifier and the first checksum value and the second checksum value or information for determining them; and

comparing the device identifiers of the first and the second electronic device, the first checksum values and the second checksum values with each other, as a result of which:

the contents of the memory components are caused to correspond to each other as a response to the device identifiers, the first checksum values or the second checksum values not corresponding to each other.

2. A method according to claim 1, further comprising:

noting that the contents of the memory components correspond to each other as a response to the device identifiers, the first checksum values and the second checksum values corresponding to the each other.

3. A method according to claim 1, further comprising:

said first and/or second checksum value comprising said device identifier.

4. A method according to claim 1, further comprising:

determining the device identifiers of the first and the second electronic device and/or the first checksum values by accessing them or information for determining them from the memory of the electronic device.

5. A method according to claim 1, further comprising:

determining the device identifier of the second electronic device and the first and the second checksum value as a response to the second electronic device having received said initialization message.

6. A method according to claim 1, further comprising:

transmitting from the second electronic device to the first electronic device an acknowledgement message comprising at least the device identifier of the second electronic device as well as the first and the second checksum value or information for determining them as a response to the device identifier of the second electronic device and the first and the second checksum value having been determined.

7. A method according to claim 1, further comprising:

comparing the first checksum values as a response to said device identifiers corresponding to each other, as a result of which:

the contents of said memory components are caused to correspond to each other as a response to said first checksum values not corresponding to each other.

8. A method according to claim 1, further comprising:

comparing the second checksum values as a response to said first checksum values corresponding to each other, as a result of which:

the contents of the memory components of the memory components are caused to correspond to each other as a response to the second checksum values not corresponding to each other.

9. A method according to claim 6, further comprising:

comparing the second checksum values as a response to the first checksum values corresponding to each other, as a result of which:

said acknowledgement message is retransmitted as a response to the second checksum values not corresponding to each other.

10. A system comprising at least the first and the second electronic device, the electronic devices comprising device identifiers and means for establishing a data transmission connection to the second electronic device, wherein

the first and the second electronic device are configured to determine the device identifiers, first checksum values relating to an earlier data transmission event and second checksum values relating to a second data transmission event;

the first electronic device is configured to transmit to the second electronic device an initialisation message comprising at least the first device identifier and the first and the second checksum value or information for determining them; and

the first and/or the second electronic device is/are configured to compare the device identifiers of the first and the second electronic device, the first checksum values and the second checksum values, as a result of which:

the first and/or the second electronic device is/are configured to cause the contents of the memory components to correspond to each other as a response to the device identifiers, the first checksum values or the second checksum values not corresponding to each other.

11. A system according to claim 10, wherein

the first and/or the second electronic device is/are configured to note that the contents of the memory components correspond to each other as a response to the device identifiers, the first checksum values and the second checksum values corresponding to each other.

12. A system according to claim 10, wherein

said first and/or the second checksum value comprise/s said device identifier.

13. An electronic device comprising a memory component, a device identifier and means for establishing a data transmission connection to a second electronic device, wherein said electronic device comprises:

means for determining the device identifier, a first checksum value relating to an earlier data transmission event and a second checksum value relating to a second data transmission event;

means for receiving the device identifier of a second electronic device as well as a first and a second checksum value or information for determining them;

means for comparing the device identifiers of said electronic device and the second electronic device, the first checksum values and the second checksum values with each other; and

means for updating the contents of the memory component to correspond to the contents of the memory component of the second electronic device as a response to said device identifiers, the first checksum values and the second checksum values not corresponding to each other.

14. An electronic device according to claim 13, wherein said electronic device further comprises:

means for noting the correspondence between the contents of the memory component of said electronic device and the contents of the memory component of said second electronic device as a response to the device

identifiers, the first checksum values and the second checksum values corresponding to each other.

15. An electronic device according to claim 13, wherein said electronic device further comprises:

means for determining the device identifier of the electronic device and/or the first checksum value by accessing them or information for determining them from the memory of said electronic device.

16. A software product for comparing the contents of memory components in electronic devices, wherein said software product comprises:

a software code for determining a device identifier, a first checksum value relating to an earlier data transmission event and a second checksum value relating to a second data transmission event;

a software code for receiving the device identifier of the second electronic device as well as the first and the second checksum value or information used for determining them;

a software code for comparing the device identifiers of said electronic device and the second electronic device, the first checksum values and the second checksum values with each other; and

a software code for updating the contents of the memory component to correspond to the contents of the memory component of the second electronic device as a response to said device identifiers, the first checksum values and the second checksum values not corresponding to each other.

17. A software product according to claim 16, wherein the software product further comprises:

a software code for noting the correspondence between the contents of the memory component of said electronic device and the contents of the memory component of said second electronic device as a response to the device identifiers, the first checksum values and the second checksum values corresponding to each other.